

Haastert, H.P. et al

Production of Titaniferous Pig-Iron with Low
Nitrogen Content.

STAHL EISEN, 1973, Vol.93, No.3, pp.93-99.

BISI 11355

Haastert, H.P.

Treating titaniferous pig iron in the oxygen
converter for producing low-nitrogen steel.

STAHL EISEN, 1973, Vol.93, No.3, pp.100-107.

#BISI 11348

Hess, W. et al

Reduction of Titanium Dioxide in the Blast
Furnace.

STAHL UND EISEN, Vol.93, 1973, No.3, pp.107-
110.

HB 9071

Nalcha, G. I.

Optimization of some Constructional and Technological
Parameters of the Cold-Rolling of Sheet
STAHL. 1973, No. 3, pp 245-248
BISI 11537

Funke P. et al

Controlling the Properties of an Unkilled Deep-Drawing Steel, Annealed at High Heating Rates By Means of Artificial Aging.

STAHL EISEN, 1973, Vol.93, No.4, pp.129-135.

BISI 11370

Heilig, H. et al

Possibilities for Reducing the Costs of Energy
Within the Framework of the Power Economy of
an Integrated Iron and Steel Plant.
STAHL EISEN, 1973, Vol.93, No.4, Feb., pp.144-
51.

BISI 11339

Heiderpriem, J.

Plant Engineering in Modern Rolling Mills and
Plants for the Further Treatment.
STAHL EISEN, 1973, Vol.93, No.5, pp.169-175.
BISI 11407

Meyer, K.

Process Technology of Steelmaking from Sponge
Iron in the Electric Arc Furnace.
STAHL UND EISEN, Vol. 93, 1973,
No. 5, pp. 194-204.
HB 9011

Hahn, H.
Fracture Initiation and Propagation in Tubes under
Internal Pressure. STAHL EISEN, 1973 23
Mar 1st, (5) pp 204-208

2 BISI 11374

July 1973

Liestmann, W.D.

Operating practice and results of a 45 ton
heavy-duty arc furnace.

STAHL EISEN, 1973, Vol. 93, No.6, pp.217-222.

YHB 9034

Largest Blast Furnace in the Western World is
Blown-In.

STAHL EISEN, 1973, Vol. 93, No. 7, 29th March

BISI 11408

Riedel, D.

The Reduction of Residual Stresses During
Stress-Relieving by Annealing Discussed on the
Basis of Steel 12 CrMo 44.
STAHL UND EISEN, 1973, Vol.93, No.8, pp.332-338.
BISI 11653

Schoop, J. et al

Control of Service Life of BOF Linings.

STAHL EISEN, 1973, Vol.93, No. 8, pp.338-345.

HB 9065

Niedertracke, W.

Back Up For Plate Rolling.

STAHL UND EISEN, 1973, April, pp.345-351.

FBI 11582

FOOT, W.

//STANLEY EISEN//

--/--/1973, 1980, 1980,

The Cost of Transporting and Handling Scrap Delevered
to Iron and Steelworks,

pp 377-382, EISI 1168000

Bernstein, G..

The Use of Bulk Transportation Means with In-
creasing Consumption of Ores.

STAHL EISEN, 1973, Apr. 26, pp.391-395.

BISI 11581

Weber, M.

Hydraulic Transport of Ore from North Sea
Ports to the Ruhr District.

STAHL EISEN, 1973, Vol.93, No.9, pp.396-400.

BISI 11655

Kammerock, H. et al

High Strip Speed as Plant Technology Problem
in Strip Processing Lines, Conditions for
Speed Exploitation.

STAHL UND EISEN, 1973, Vol. 93, No. 10, pp.421-
429.

7 BISI 11602

Steffens, H. et al

System Study, Design, and Results Check covering a Gauge Control Facility, with Hydraulic Screw Down System for a Cold Reversion Mill.

STAHL UND EISEN, 1973, Vol. 93, No. 10, pp. 429-435.

*BISI 11604

Kortmann, H. et al.

Significance of Gangue as Regards the Swelling
Behaviour of Iron Ore Pellets.

STAHL UND EISEN, 1973, Vol.93, No.11, pp.463-72.

BISI 11669

Grebe, K.

Swelling Behavior of Hardened Iron-Ore Pellets
Containing Different Amounts of Gangue of
Different Compositions.

STAHL UND EISEN, Vol. 93, 1973, No. 11,
pp. 472-480.

HB 9093

Kister, H.

Effect of Hydrogen on the Swelling of Pellets with
Different Contents and Compositions of Gangue.
STAHL UND EISEN, Vol. 93, 1973,
No. 11, pp. 480-483.
HB 9094

Bernstein, G.

The Use of Bulk Transportation means with Increasing Consumption of Ores.

STAHL UND EISEN, 1973, April 26th, pp.528-544.

*BISI 11581

Weisweiler, F.J. et al

A Model for Site Selection Investigations for
Iron and Steelworks with Further-Processing Fa-
cilities.

STAHL UND EISEN, 1973, June 6th, Vol.93, No.12
BISI 11764

Belzer, H.

Considerations on the optimum size of a steel
works designed for manufacture of sectional
products.

STAHL UND EISEN, 1973, Vol.93, No.12, pp.533-
540.

9 BISI 11806

Brandi, H. Th.

Considerations regarding the siting of iron
and steelworks plants in countries outside
Europe.

STAHL UND EISEN, 1973, Vol.93, No.12, pp.541-
546.

BISI 11745

Piehl, K.H.

The Behaviour of Pressure Vessel Steels During
Welding.

STAHL. EISEN., 1973, 21st June, V.93, N.13,
pp.568-577.

BISI 11939

WALL, W.
//STAND UP MEAN//
---/1973, W0002, 00013,
Testing Pressure Vessels for Reliability and
Longness, also for Relationship Between Test
Results and Performance in Service,
IN 552-587, 10 Trans. 01130

Ross, H.

The Technology and Economics of Large Electrical Drives in Iron and Steelworks.

STAHL U. EISEN. 1973, Vol.93, No.14, pp.636-45.

BISI 11956

Frisch, B.

Determination of Pickling Time When Descaling
Steel by Means of Hydrochloric Acid.

STAHL UND EISEN, Vol.93, 1973, No.15, pp.673-
679.

HB 9097

Funke, P.

Optimising Throughput on Tandem C.R. Mills
Calculation Model.

* STAHL, U. EISEN, 1973, Vol. 93, No. 15, pp. 680-689.
BISI 11814

Fenne, H.

Pneumatic Addition of Lime and Coal in the Electric Arc Furnace.

STAHL UND EISEN, 1973, Vol.93, No.16, 2 August

BISI 11774

Konopicky, K.

Refractory Products and Refractory Problems in
Modern Steel Plants.
STAHL UND EISEN, Vol.93, 1973, No.16, pp.721-
724.
9113

Fiege, L.

Posibilities of Using Scrap in Basic-Oxygen
Furnaces (In the Federal Republic of Germany).

STAHL UND EISEN, Vol.93, 1973, No.16, pp.725-

732.

HB 9114

Pfeiffer, E.

Melting Down and Preheating of Scrap in the
Arc Furnace with the Supplementary Use of Fuel
/Oxygen Burners.

STAHL UND EISEN, Vol.93, 1973, No.16, pp.742-
744.

HB 9185

Baumann, G. et al

Comparison of investment costs for cold-rolling
mills of different sizes for the manufacture of
sheet.

STAHL U. EISEN 1973, Vol.93, No.17, 16th Aug.,
pp.775-779.

*BISI 12192

Friedl, R.

The energy economy of the West German steel industry as a function of the world energy economy.

STAHL U. EISEN, 1973, Vol.93, No.21, pp.920-927

*BISI 12181

Alex, W. et al

Water-cooling for a steelworks at the coast.
STAHL, U. EISEN 1973, Vol.93, 27th Sept, pp.928-
931.

*BISI 12191

Bretthauer, K. et al

Investigation of the Asymmetry and Measuring
Errors in a High-Power Electric Arc Furnace.
STAHL UND EISEN, Vol.93, 1973, No.17, pp.761-
764.

HB 9129

Zimmermann, K.

Determination of Acid-Soluble Nitrogen in Pig
Iron and Steel.

STAHL UND EISEN, Vol.93, 1973, No.17, pp.765-
768.

HB 9131

Itaya, H. et al

Effect of Sodium and Ferrous Chlorides on the
Behavior of Pellets During Their Reduction in
Carbon Monoxide, Carbon Dioxide, and Nitrogen
Gas Mixes.

STAHL UND EISEN, Vol.93, 1973, No.17, pp.772-
774.

HB 9130

Dahl, W.

Causes of Weld Hot Cracking in Columbium-Sta-
bilized Steel Containing 16% Cr and 16% Ni.
STAHL UND EISEN, Vol.93, 1973, No.18, pp.805-
812.
HB 9137

Dahl, W.

Effect of Various Alloying Elements on the
Hot Cracking Susceptibility of Austenitic
Steel During Welding.
STAHL UND EISEN, Vol.93, 1973, No.18, pp.813-
822.
HB 9138

BRITISH, E.
//STAFF AND STAFF//
--/--/1973, 1983, 1993,
Possibilities of Manufacturing a Low-Reactivity
Fuel and Its Performance in the Blast Furnace,
pp 266-268, 1973, 1983, 1993

Servrin, R.

Three Dimensional Calculation of the Solidifi-
cation of Steel Ingots and their Heating in the
Soaking Pit.

STAHL UND EISEN, V.93, N.18, pp.834-837.

11901

Herbsleb, G.

The Effects of Iron and Manganese Sulphide
Inclusions on Pit Nucleation in Pitting Cor-
rosion of Steel.

STAHL EISEN, 1973, Vol.93, No.18, pp.837-839.

BISI 12055

4-Feb-74

Uncl (BNWL-tr--107) Surface roughness measurements on the interior surface of seamless, stretch-reduced tubes of chrome--nickel stainless steels. SKOV, J.; WOLF, M. Translated by B.G. Russell from Stahl Eisen; 93: No. 19, 885-892(1973). 20p. Dep. NTIS \$3.00.

11F metallurgy; translations
MN-25 P NSA

FRIEDL, R.
//STAND U. EINEN//
--/--/1973, V0093, M0002,
The Energy Economy of the Steel Industry in West
Germany, and the Influence of the World Energy
Economy,
DD 826-027, BIBI 1218102

Bunte, K.-J.

Operating Experience in the Use of Pouring Ladles Equipped with Sliding Nozzles.

STAHL UND EISEN, Vol.93, 1973, No.21, pp.963-966.

HB 9174

BRETSCHNEIDER, E.
//STAHL UND EISEN//
--/--/1973, V0003, H0022,
The Planetary Cross-Rolling Mill--A New High-
Deformation Plant,
PP 1974-1976, BISI 1203700

MASSIP et al
//STAHL UND EISEN//
--/10/1973, V----,N----,
The properties of Mn-Mo-Nb high strength steels
strip with shear ferrite,
pp 1051-1053, *BISI 12398@@

WYSOCKI, H.

//STAHL U EISEN, //

--/--/1973, V0093, N0026

Development and testing of a new slag granulation
and dehydration system with automatic sand
loading

pp 1246-1250 BISI 12287##

Eisermann, E.

Continuous Melting of Sponge Iron in a Ten-Ton Arc Furnace.

STAHL UND EISEN, Vol.93, 1973, No.26, pp.1251-1255.

HB 9193

Honervogt, H.W.

An Indirect heated Annealing Furnace for the
Annealing in a Protective Atmosphere of Stain-
less and Acid-Resistant Cold-Rolling Strip.

STAHL UND EISEN, 22nd November, 1973, pp.1152-
1157.

BISI 12079

PAULITSCH, H. et al
//STAHL UND EISEN//
--/--/1974, V0094, N0001
Effect of the furnace atmosphere on scaling and
surface decarburisation in pusher type and
walking beam furnaces ahead of medium section
small section and rod mills
pp 8-14 *BISI 12588##

REVIEW, M.
//STAGE TWO STAGE//
---/1971, 1972, 1973,
Corrosive Damage to Electrostatic Gas Cleaning
Installations,
in 1971, 1972, 1973

MECHANI, R.
//STAND IED EISEN//
--/--/1974, V0001, R0003,
Stress Corrosion Cracking in Hot Stoves for High
Elect Temperatures,
in 24-26, in 020555

SCHROER, H.
//STAHL UND EISEN, //
--/--/1974, V0094, N0004
Use of calcium borate as flux in the basic
Oxygen Processes
pp 136-143 HB 9229##

HUSKEN, H. G.

//STAHL U. EISEN//

28/02/1974, V0094, N0005,

*Characteristic data and operating results of a
continuous hydrochloric acid pickling line*

pp 169-175, BISI 12453##

JARGON, F.
//STAHL U EISEN, //
--/--/1974, V0094, N0005,
highly passivated tinplate production of
combustion
pp 203 BISI 12310##

BRUNS, J.
STAHL UND ESIEN
--/--/1974, V0094, N0005,
The world market for cold rolled stainless flat
products,
pp 206-210 *BISI 12390@@

DELING, K.
//START OLD EISEN//
--/--/1074, 10004, 10006,
Experience with Dolomite Roofs in a Fifty-Ton
High-Power Arc Furnace,
pp 220-231, IB 000000

SCHIFFER, W.

//STAIN AND RISEN//

--/01/1070, V-----, H0000,

Aluminum Oct-022 of Steel with Special Regard to
Special Steels,

in 220-335, H101 1235000

JESCHAR, R. et al
//STAHL EISEN//
--/--/1974, V0094, N0012
Model tests on the formation of the raceway
and on movement processes in front of the
tuyeres in a blast furnace
pp 525-532 BISI 12463#

GREUEL, M.

//STAHL EISEN//

--/--/1974, V0094, N0012,

*Investigation on movement mechanisms in front of
the Tuyeres of an industrial blast furnace
using an endoscope*

pp 533-538, BISI 12464##

'''
//STAHL EISEN MATERIAL DATA SHEET//
--/02/1969, V----,N----,
High temperature steels quality specifications
pp 670-69 BISI 12234##

UNKNOWN

//STAHL EISEN PRUFBLATT//

--/--/1916, V----, n----

Not of fusion welded long distance pipeline
for combustible liquid and gases

ppnot given *BISI 12607##

UNKNOWN

//STAHL EISEN PRUGBLATT/

--/--/----, V----, N----

Blue brittleness for assessing macroscopic
inclusion contents in steels

pp not given BISI 12397

1958, 1970 Dec##

UNKNOWN

//STAHL-EISEN-PRUFBLATT//

--/12/1961,V----,N----,

*Microscopia test of steels for grain size by
comparison with standard charts*

pp 1510-1561, 1st Edition, BISI 12452##

Microscopical Examination of Special Steels for non-
Metallic Inclusions Using Standard Micrograph Charts.
STAHL-EISEN PRUFBLATT 1570, 2 ed, Aug. 1971
BISI 10905

April 73

Voigt, Helmut

Principles of steel construction engineering in the
building and operation of wind driven power plants. 13 pp
DER STAHLBAU, Vol 23, No 8, Aug. 1954, pp 184-188
NASA TT F 14,872

W. SCHONBACH

Deformation Correction of Main Reflector and Sub-
reflector in Large Parabolic Antennas.

STAHLBAU, Vol 39, pp 1-12, 1970.

NTC 73-10398-09F

Mar 73

UNKNOWN

//STAHL EISEN PRUFBLATT//

--/--/1916,(1st Ed.),V----,N----,

NDT of fusion-welded, long distance pipeline
for combustible liquids and gases,

BISI 12195

August 1972@

UNKNOWN

//STAHL EISEN PRUFBLATT//

--/--/1925(draft),V----,N----,

Eddy current testing of tubes, as proof of
leak tightness,

BISI 12196

September 1972@

FILATOV, A.D. ET AL
//STAL'//
--/--/1971,V-----,N0011,
New Technological Schedule for rolling and
finishing channels on a 500 mill,
pp 1017-1019,BISI 12132@

Litvinov, A.T.

Fine gas scrubbing to remove highly dispersed hydrophobic particles using the condensation effect.

STAL, 1972, pp 184-186, n. 2.

NTC 73-12114-07A.

The Firing of an Open Hearth Furnace with Changes in the
Angle of Inclination of the Flame During the Periods
of the Heat, by I. G. Kobeza, et al.
STAL', 1972, No 5, pp 409-411.
BISI 10594

April 73

Gutorova, V.L.

Investigation of the quality of oxygen converter
bulb-strip 0962 steel.
STAL', 1972, No. 5, pp. 411-412
BISI 10596

june 73

Krivosheev, A.E. et al

Increasing the Life of the Rolls of a 3000
Plate Mill.

STAL', 1972, No.5, pp.431-432.

BISI 10600

P.P. Mishin, et al.

Special Features Of Slag Conditions In
Blast Furnaces Of The Karaganda Combine
STAL', No. 7, 1972, pp 583-587
BISI 10814

Jan 1973

G.S. Kolganov et al.

Action of the Jet of Oxygen on a Converter Bath
STAL', No 7, 1972, pp 599-601
BISI 10817

Jan 1973

A.V. Tret'yakov, et al.

Deflection Of the Backup Rolls Of A Four-
High Mill

STAL', No. 7, 1972, pp 621-624

BISI 10819

Jan 1973

L. I. Posysayeva

*Influence of manganese on the ductility of low-carbon
high-alloy austenitic steel at high temperatures.*
STAL, No 7, 1972, pp 643-646
BISI 10825

may 73 apr

K.M. Konovalova, et al.

The Effect of the $\alpha \rightarrow \gamma$ Transformation of the
Corrosion Resistance of OKh17N7Yul
STAL', No 7, 1972, pp 649-650
BISI 10826

Jan 1973

Vrzal, M.

Measurements Performed on a 300 Light-Section Rolling
Mill Train in the Trinec Iron and Steel Works.

STROJIRENSTVI, 1972, No. 11, pp. 675-685

BISI 11037

Behaviour of Gases During Steelmaking and Methods of
Degassing, by V. I. Yavoiskii, et al.
STAL', 1972, No 8, pp 713-715.
BISI 10881

April 73

Control of the Speed Conditions on a Continuous Hot
Wide Strip Mill, by N. N. Druzhinin, et al.
STAL', 1972, No 8, pp 729-733.
BISI 10883

April 73

Ermolayev, V. N.

A study of high-pressure heat exchange in scrubbers.

STAL, No 8, 1972, pp 769-771

NTC 73-13208-20M

BIPI 10887

Desulphurization of Open Hearth Steel, by G. N.
Kamyshev, et al.
STAL', 1972, No 8., pp 806-807.
BISI 10960

April 73

Metallurgical Properties of Iron-Ore Pellets, Hardened
Without Firing by Treatment in Autoclaves, by V. G.
Manchinskii, et al.
STAL', 1972, No 9, pp 777-781.
BISI 10957

April 73

Participation of Cyanogen in the Direct Reduction of
Iron in the Blast-Furnance Hearth, by M. I. Rovenskii.
STAL', 1972, No 9, pp 785-786.
BISI 10958

April 73

Increasing the Resistance of Steel 17G1s to Brittle
Fracture After Refining in the Ladle with a Molten
Synthetic Slag, by L. N. Dayvdov.
STAL, 1972, No 9, pp 795-98.
BISI 10959

April 73

The Rolling of Merchant Section of Constant Wall and
Flange Thicknesses, by B. M. Ilyykovich.
STAL', 1972, No 9, pp 828-829.
BISI 10962

April 73

V. Ya. Gancho et al.

Influence of Metallurgical Factors on the Mechanical
and Cutting Properties of the Alloy V14M7K25.

STAL', No. 9, pp 842-844, 1972.

BISI 10964

apr 73

A.V. Ivanchenko
Chromatographic Determination of Hydrogen in Slow-
Cooling Soaking Pits, by A. V. Ivanchenko.
STAL', 1972, No 9, pp 849.
BISI 10965

April 73

The Optimum Value for the Degree of Darkness of a
Flame, by S. I. Gertsyk.
STAL', 1972, No 9, pp 855-7.
BISI 10966

April 73

Effects of the Properties of the Initial Wire on the
Dimensional Accuracy of Flattened Strip, by I. K.
Lazarev.

STAL', 1972, No 9, pp 858-860.

BISI 10967

April 73

M. Kh. Shorshorov, et al.

The 08kp Steel for AZhA Clad Metal Compositions.
STAL', No. 10, pp 847-849, 1972.

BISI 11088

apr 73